

1. A portable electronic device, which comprises at least a camera module, which comprises at least
- an optics zone, which comprises at least an input aperture and
  - a connector zone, which comprises at least contacts for
- 5 connecting the camera module to counter-contacts, and a printed wiring board, which includes parallel first and second sides for placing the camera module and other structures, wherein the optics zone and the connector zone of the camera module are settled on different sides of the printed wiring board.
- 10 2. The device according to claim 1, wherein the printed wiring board comprises at least an aperture penetrating the printed wiring board, and the optics zone of the camera module is placed at least partly inside said aperture of the printed wiring board.
- 15 3. The device according to claim 1, wherein the device comprises, in addition, at least a frame structure, which comprises at least
- contacts for connecting the camera module,
  - an aperture, which is on the side placed against the printed wiring
- 20 board in the frame structure, and the optics zone of the camera module is placed at least partly inside the aperture of the frame structure.
- 25 4. The device according to claim 1, wherein the device is arranged to transfer data in a wireless manner.
- 30 5. A method for placing a camera module in a portable electronic device, wherein the camera module, which comprises at least an input aperture and a connector zone, is arranged on a printed wiring board, where other structures of the device are also placed, wherein the input aperture of the camera module settles on a different side of the printed wiring board than the connector zone.
- 35 6. The method according to claim 5, wherein at least a part of the camera module is placed through the printed wiring board.

7. The method according to claim 6, wherein the camera module is arranged on the printed wiring board via the frame structure, and the printed wiring board comprises at least an aperture penetrating the printed wiring board, and the frame structure comprises at least an aperture on the side settling against the printed wiring board, and said apertures are placed one on the other in such a manner that the camera module can be placed at least partly inside the aperture of said printed wiring board and the aperture of said frame structure.
8. A printed wiring board for installing a camera module, wherein
- there is an aperture in the printed wiring board,
  - at least part of the camera module can be placed through the aperture of the printed wiring board, and
  - contacts between the camera module and the printed wiring board are arranged to form electrical contact when the camera module is in place.
9. A printed wiring board and a frame structure connected to it for installing a camera module, wherein
- there is an aperture in the printed wiring board,
  - in addition, there is an aperture in the frame structure, which is on the side placed against the printed wiring board, and
  - said apertures are placed in such a manner that at least a part of the camera module can be placed through the aperture of the frame structure to the aperture of the printed wiring board.
10. A printed wiring board and a frame structure connected to it according to claim 9, wherein there are contacts in the frame structure for connecting the camera module, which are placed on
- at least the side parallel to the direction of the printed wiring board, or
  - at least one side, which is substantially perpendicular in relation to the printed wiring board, or
  - at least a first side parallel to the direction of the printed wiring board and a second side, which is substantially perpendicular in relation to the printed wiring board.

11. A frame structure to be placed on a printed wiring board for placing a camera module, which frame structure comprises at least

- contacts for connecting the camera module, and
- 5        - an installation aperture on the first side for placing the camera module in the frame structure,

wherein there is an aperture on the other side of the frame structure, which is in connection with the installation aperture.

10        12. The frame structure according to claim 11, wherein the contacts of the frame structure are placed on

- at least the same side as the aperture, or
- at least one side, which is substantially perpendicular to the side comprising the aperture, or
- 15        - at least the same first side with the aperture and the second side, which is substantially perpendicular to the first side.

13. The frame structure according to claim 12, wherein at least one contact is arranged to function as a clamping device for the camera module.

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14. A camera module to be placed on a printed wiring board, which camera module comprises at least

- an optics zone, which comprises at least an input aperture and
- a connector zone, which comprises at least contacts for
- 25        connecting the camera module to counter-contacts,

and, the direction of function of which camera module is substantially the same as the direction of the input aperture from the connector zone,

wherein the optics zone of the camera module can be placed at least partly through the printed wiring board and the contacts are placed in the connector zone on

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- at least one side parallel with the direction of function of the camera module, or
- at least on the side of the light aperture of the optics zone, or
- at least one side parallel with the direction of function of the
- 35        camera module and on the side of the light aperture of the optics zone.

15. The device according to claim 2, wherein the device comprises, in addition, at least a frame structure, which comprises at least

- contacts for connecting the camera module,
- 5        - an aperture, which is on the side placed against the printed wiring board in the frame structure, and

the optics zone of the camera module is placed at least partly inside the aperture of the frame structure.

- 10        16. The method according to claim 5, wherein the camera module is arranged on the printed wiring board via the frame structure, and the printed wiring board comprises at least an aperture penetrating the printed wiring board, and the frame structure comprises at least an aperture on the side settling against the printed wiring board, and said apertures are placed one on the other in
- 15        such a manner that the camera module can be placed at least partly inside the aperture of said printed wiring board and the aperture of said frame structure.

- 20        17. The frame structure according to claim 11, wherein at least one contact is arranged to function as a clamping device for the camera module.